

Overview

These instructions describe how to replace the motor assembly in your B.A.S.I.S. Exit Hardware Trim (EXG or EXBV).

Components checklist

In addition to these instructions, this kit (part number 1878973) contains:

- ☐ 1 Tape for mounting the sounder
- ☐ 1 Motor assembly
- ☐ 1 Socket head screw
- ☐ 1 Spacer
- ☐ 5 mounting plate screws
- ☐ 1 Lift finger screw
- ☐ 1 Escutcheon gasket

Tasks to perform

A Remove the escutcheon from door

For instructions, see the *B.A.S.I.S. G Service Manual* (T63300) or the *B.A.S.I.S. V Service Manual* (T61805).

B Remove old escutcheon gasket, mounting plate, lift finger, lever return springs, and electronics board

Caution: Before you handle the electronics board or any component connected to it, make sure that you are properly grounded using an electrostatic discharge (ESD) protection kit! Touching the board without proper grounding can damage sensitive electronics components—even if you don't notice any static discharge!

- 1 Unscrew the six mounting plate standoffs from the mounting plate (Figure 1).
- 2 Remove the gasket from the escutcheon and discard the gasket.
- 3 Remove the lift finger:
 - a Note the orientation of the lift finger.
 - b Remove the lift finger screw and discard.
 - c Remove the washer and lift finger.
- 4 Remove the mounting plate (Figure 2):

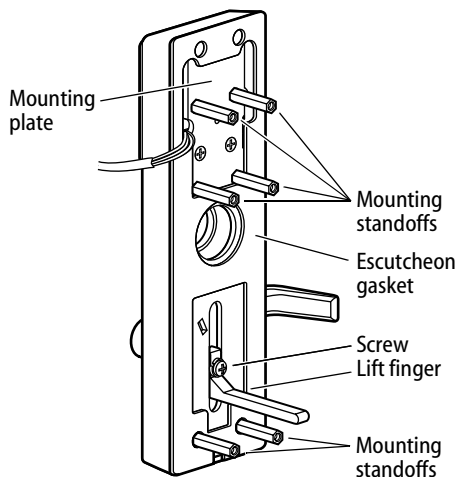


Figure 1 Removing and reinstalling the mounting standoffs, gasket, and lift finger

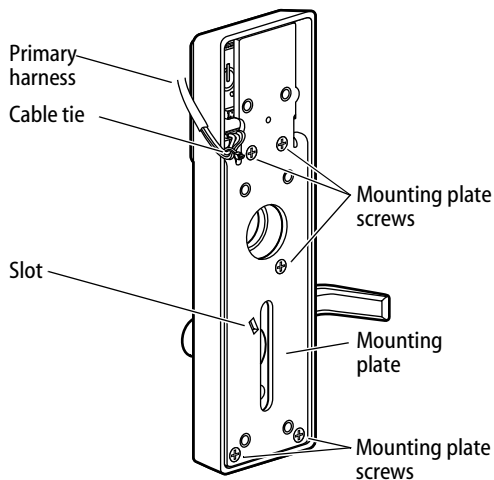


Figure 2 Removing and reinstalling the mounting plate

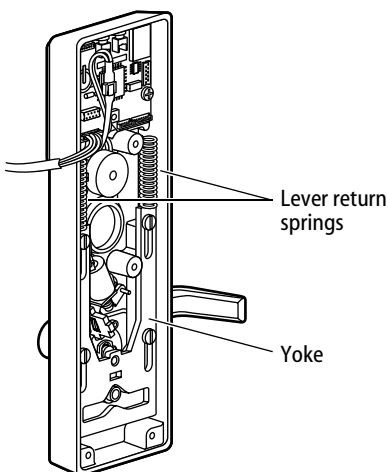


Figure 3 Removing and reinstalling lever return springs

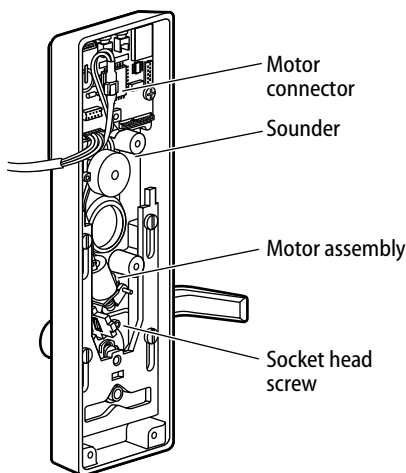


Figure 4 Removing and reinstalling the motor assembly

- a Cut the cable tie and discard.
- b Remove the five screws and discard.
- c Carefully remove the mounting plate.
- 5 Remove the lever return springs from the yoke. See Figure 3.

C Remove the motor assembly

- 1 Disconnect the motor connector from the primary harness. See Figure 4.
- 2 Using a screwdriver, pry the sounder off the escutcheon.
- 3 Using a 3/32" hex driver, remove the socket head screw and spacer. Remove the motor assembly from the escutcheon.

D Reinstall the motor assembly

- 1 Rotate the gear on the motor assembly until the locking lever is as close to the screw hole as possible. See Figure 5.

Note: *If the locking lever does not move freely as you turn the gear, gently move the locking lever into position.*

- 2 Position the motor assembly in the escutcheon as shown in Figure 4 and make sure that:
 - the locking lever is inserted through the locking plate
 - the motor assembly pivot pin is sealed in the recess in the escutcheon.
- 3 Place the spacer on the socket head screw. Using a 3/32" hex driver, reinstall the socket head screw.
- 4 Route the motor harness into the groove in the escutcheon. See Figure 6.
- 5 Reinstall the sounder onto the escutcheon. See Figure 4.
- 6 Connect the motor harness to the primary harness.

E Reinstall components

- 1 With posts on the mounting plate inserted in the lever return springs, slide the mounting plate into the escutcheon (Figure 3). Make sure that the locking plate fits into the slot in the mounting plate. Secure with the five new screws. Route the primary harness against the mounting plate post and secure the harness to the post with a cable tie. See Figure 2.
- 2 Position the lift finger on the escutcheon in the orientation noted in step 3a on page 1.
- 3 Position the washer on the lift finger screw. Tightly secure the lift finger with the lift finger screw (25–30 foot-pounds of torque) (Figure 1).
- 4 Starting at the bottom of the gasket, peel away the protective backing a small amount at a time while unrolling the gasket into position on the escutcheon. Press the gasket into place.
- 5 Screw the six mounting standoffs onto the mounting plate (Figure 1).

F Reinstall the escutcheon on door

For instructions, see the *B.A.S.I.S. G Service Manual* or the *B.A.S.I.S. V Service Manual*.

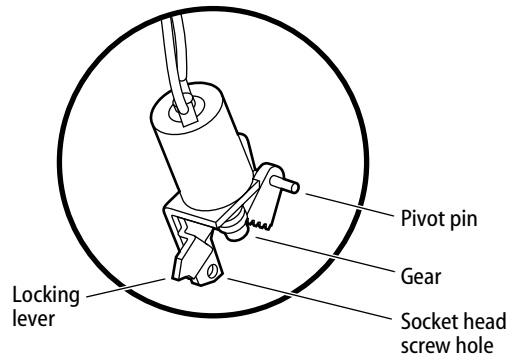


Figure 5 Rotating the motor assembly gear

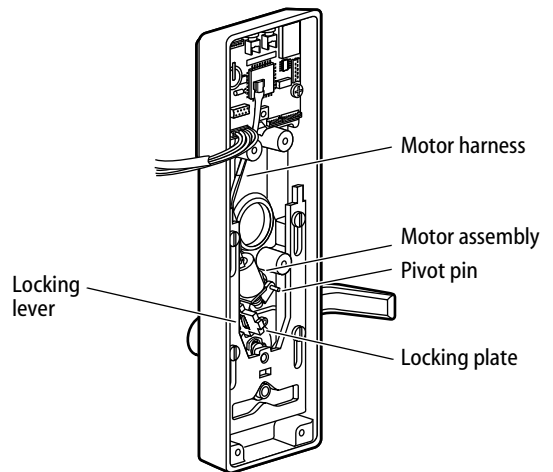


Figure 6 Rerouting the motor harness

G Test lock for proper operation

To test the lock for proper operation before the lock is programmed, use the temporary operator card that came with the lock. This card is for temporary use only. After permanent cards have been programmed for the lock, the temporary card should be deleted.

- 1 Use the temporary operator card to activate the lock.
When the lock detects the presence of a card for the first time, the lock performs a series of diagnostic self-tests. If no problem is detected, the lock responds with 4 red LED flashes, simultaneous with 4 green LED flashes and 4 short tones.
If a problem is detected, the lock's red LED and green LED simultaneously flash in a repeating pattern (and no tones sound). The lock's control electronics board must be replaced. For instructions, see the *B.A.S.I.S. G Service Manual* or the *B.A.S.I.S. V Service Manual*.
- 2 Use the temporary operator card to access the lock.
The green light flashes and the locking mechanism unlocks.

- Note:** *If the lock has a proximity card reader, it may have already been activated by the presence of an object near the card reader.*
- 3 Turn the lever and open the door.

If the mechanism doesn't unlock, refer to the following table. For additional troubleshooting instructions, see the *B.A.S.I.S. G Service Manual* or the *B.A.S.I.S. V Service Manual*.

LEDs	Sounder	You should
Single red flash	—	Use the card at a moderate speed.
Red flashes	3 short tones	Use the temporary operator card provided with the lock.
Green flashes	—	Check the motor connection.
—	—	Check the battery connection.

For locks with key override

Insert and turn the key to unlatch the door.

For locks with deadbolt

- 4 From the inside of the door, turn the turn knob and make sure that the deadbolt operates properly.